

CLAIMS

1. A system for inspecting quality of printed matter comprising illuminating means for illuminating the printed matter, printed by a sheet-fed printer, on an impression cylinder, photographing means for detecting light illuminated by said illuminating means and reflected on the printed matter to import image information of the printed matter and air injection means for pressing said printed matter against the impression cylinder, thereby inspecting any defects of the printed matter in line on the basis of said image information, characterized in that said photographing means has photo position on the printed matter linearly along an axis of the impression cylinder,

said illuminating means being adapted to condense illumination light into line along the axis of the impression cylinder, thereby making the same in conformity with the photo position on the printed matter,

said air injection means being adapted to stably press the printed matter at the photo position so as to photograph a whole surface of the printed matter from photo-start to photo-end positions.

2. The system for inspecting quality of the printed

matter as claimed in claim 1 wherein the air injection means has an air pressing position on the printed matter at which the printed matter is pressed against the impression cylinder and which comes closer to the photo position on the printed matter, air being blown substantially perpendicular to the printed matter.

3. The system for inspecting quality of the printed matter as claimed in claim 1 wherein the air injection means has an air pressing position at which the printed matter is pressed against the impression cylinder and which is in conformity with the photo position on the printed matter.

4. The system for inspecting quality of the printed matter as claimed in any of claims 1-3 wherein the air injection means has a distance from air injection ports to a surface of the printed matter in a range of 5-30 mm, air static pressure of the air injection ports by which the printed matter is pressed against the impression cylinder being set to a range of 5-30 kPa.

5. The system for inspecting quality of the printed matter as claimed in claim 4 wherein the illuminating means comprises an ellipsoidal reflector for condensing

illumination light into line along an axis of the impression cylinder.

6. The system for inspecting quality of the printed matter as claimed in claim 4 wherein the illuminating means comprises a cylindrical lens for condensing illumination light into line along an axis of the impression cylinder.

7. The system for inspecting quality of the printed matter as claimed in claim 5 or 6 wherein the illuminating means tilts the illumination light directed to the printed matter in a range of 5° - 50° to photo line from the photographing means to the printed matter.